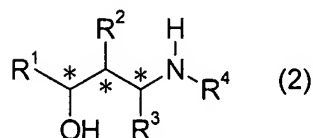


What is claimed is:

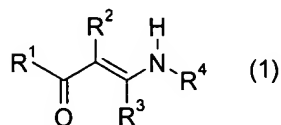
1. A process for producing an optically active amino alcohol represented by the following formula (2)

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wherein R¹ is a hydrocarbon group, a substituted hydrocarbon group, an aromatic heterocyclic group, a substituted aromatic heterocyclic group, an aliphatic heterocyclic group or a substituted aliphatic heterocyclic group; R² and R³ each independently is hydrogen atom, a hydrocarbon group, a substituted hydrocarbon group, an acyl group, an acyloxy group, an alkyloxycarbonyl group, an aralkyloxycarbonyl group, an aryloxycarbonyl group, an aromatic heterocyclic group, a substituted aromatic heterocyclic group, an aliphatic heterocyclic group or a substituted aliphatic heterocyclic group; R⁴ is hydrogen atom or a protective group; two or more of R¹, R², R³ and R⁴ may be bonded to each other to form a ring; and * is asymmetric carbon, provided that when R² or R³ is hydrogen atom, the carbon atom to which R² or R³ is bonded is not an asymmetric carbon, or a salt thereof, which comprises subjecting a compound represented by the following formula (1) or a salt thereof to an asymmetric hydrogenation reaction:

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wherein R^1 is a hydrocarbon group, a substituted hydrocarbon group, an aromatic heterocyclic group, a substituted aromatic heterocyclic group, an aliphatic heterocyclic group or a substituted aliphatic heterocyclic group; R^2 and R^3 each
5 independently is hydrogen atom, a hydrocarbon group, a substituted hydrocarbon group, an acyl group, an acyloxy group, an alkyloxycarbonyl group, an aralkyloxycarbonyl group, an aryloxycarbonyl group, an aromatic heterocyclic group, a substituted aromatic heterocyclic group, an aliphatic
10 heterocyclic group or a substituted aliphatic heterocyclic group; R^4 is hydrogen atom or a protective group; two or more of R^1 , R^2 , R^3 and R^4 may be bonded to each other to form a ring; and the double bond between the carbon atoms to which R^2 and R^3 are attached is cis or trans or a mixture thereof.

15 2. The process according to claim 1, wherein the asymmetric hydrogenation reaction is carried out in the presence of an asymmetric metal complex.

 3. The process according to claim 1, wherein the asymmetric hydrogenation reaction is carried out in the
20 presence of a base.

 4. The process according to claim 3, wherein the amount of the base used is 0.15 to 10 equivalents relative to the compound represented by the formula (1).